

What is claimed is:

1. A timing apparatus to provide switching, the apparatus comprising:  
a clock with a sweeping hand; and  
a switch positioned to be activated by passage of the sweeping hand past the switch.
2. The timing apparatus of claim 1 further comprising:  
a magnet carried by the sweeping hand;  
the switch being a magnetically operated switch; and  
the switch positioned to be activated by sweeping of the magnet past the magnetically operated switch.
3. The timing apparatus of claim 2 in which the sweeping hand is a sweeping second hand.
4. The timing apparatus of claim 2 in which the magnetically operated switch closes in a sufficient magnetic field.
5. The timing apparatus of claim 2 in which the magnetically operated switch is a reed switch.
6. The timing apparatus of claim 2 in which the second hand is counterbalanced by a mass opposite the magnet.
7. The timing apparatus of claim 2 in which the clock is positioned such that the mechanical hand moves in a horizontal plane.
8. The timing apparatus of claim 1 in which a plurality of sweeping hands are mounted on the clock and move with the sweeping hand, each of the plurality of sweeping hands being positioned in relation to the switch to operate the switch.

9. The timing apparatus of claim 2 in which a plurality of sweeping hands are mounted on the clock and move with the sweeping hand, and each the plurality of hands carrying a magnet such that the frequency of switching is increased.
10. The timing apparatus of claim 1 in which a plurality of switches are controlled by the sweeping hand.
11. The timing apparatus of claim 2 in which a plurality of switches are controlled by movement of the sweeping hand.
12. The timing apparatus of claim 1 in which the switch is incorporated in an electric circuit.
13. The timing apparatus of claim 12 in which the electric circuit is an ignition system for a flare stack.
14. The timing apparatus of claim 2 in which the switch is incorporated in an electric circuit.
15. The timing apparatus of claim 14 in which the electric circuit is an ignition system for a flare stack.
16. The timing apparatus of claim 12 in which the electric circuit is a control mechanism for a fluid injector.
17. The timing apparatus of claim 16 in which the fluid injector is used to inject fluid into a pipeline transporting natural gas.
18. The timing apparatus of claim 14 in which the electric circuit is a control mechanism for a fluid injector.

19. The timing apparatus of claim 17 in which the fluid injector injects a hydrate inhibitor.